

03050203-030

(*Black Creek*)

General Description

Watershed 03050203-030 is located in Lexington County and consists primarily of *Black Creek* and its tributaries. The watershed occupies 43,711 acres of the Sandhills region of South Carolina. The predominant soil types consist of an association of the Lakeland-Fuquay series. The erodibility of the soil (K) averages 0.11 and the slope of the terrain averages 7%, with a range of 2-15%. Land use/land cover in the watershed includes: 58.2% forested land, 32.0% agricultural land, 4.2% forested wetland (swamp), 3.7% barren land, 1.1% water, 0.7% urban land, and 0.1% nonforested wetland (marsh).

Black Creek originates near the Town of Gilbert and drains into the North Fork Edisto River. Black Creek flows through Taylor Pond and several other ponds before accepting the drainage of Pond Branch and flowing into Paxton Millpond. Downstream of the millpond, Little Black Creek enters Black Creek, which then flows through Clarks Millpond to accept drainage from Cedar Pond Branch, Spring Branch, Big Branch, McCartha Branch, and Coney Branch. There are a total of 46.9 stream miles and 248.7 acres of lake waters in this watershed, all classified FW.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
E-599	BIO	FW	BLACK CREEK AT SR 278
E-103/RS-01298	W/INT/RS01	FW	BLACK CREEK AT S-32-53 (RAMBO BRIDGE), 3.5 MI SE OF PELION

Black Creek – There are two SCDHEC monitoring sites along Black Creek. At the upstream site (**E-599**), aquatic life uses are fully supported based on macroinvertebrate community data. Aquatic life and recreational uses are fully supported at the downstream site (**E-103/RS-01298**). This is a blackwater system, which are often characterized by naturally low pH and dissolved oxygen concentrations. Although pH excursions were noted, they were typical of values seen in such systems and considered natural, not standards violations.

Groundwater Quality

<u>Well #</u>	<u>Class</u>	<u>Aquifer</u>	<u>Location</u>
AMB-063	GB	PIEDMONT BEDROCK	GILBERT

NPDES Program

There are currently no NPDES dischargers in this watershed.

Nonpoint Source Management Program

Land Disposal Activities

Landfill Facilities

LANDFILL NAME

FACILITY TYPE

PERMIT #

STATUS

SMI OWEN INDUSTRIAL PRODUCTS
INDUSTRIAL

323328-1601 (IWP-241, IWP-172)
ACTIVE

Land Application Sites

LAND APPLICATION SYSTEM

FACILITY NAME

ND#

TYPE

SPRAY IRRIGATION
GILBERT ELEMENTARY SCHOOL

ND0013587
DOMESTIC

Mining Activities

MINING COMPANY

MINE NAME

PERMIT #

MINERAL

B & T SAND COMPANY, INC.
OLD CHARLESTON HWY/I-20

1311-63
SAND, SAND/CLAY

BOWERS LEASING COMPANY
HUGHES MINE

0637-63
SAND

Growth Potential

There is a low potential for growth in this watershed, which contains a portion of the Town of Gilbert.